

ORDINANCE NO. 00253

PROPOSED CODE CHANGES TO CHAPTERS 18 AND 19, UBC,  
ALLOWING THE USE OF HEAVY TIMBER IN TYPE I AND  
TYPE II BUILDINGS

SECTION 1801 - Change the first paragraph to read as follows:

The structural elements in Type I buildings shall be of steel, iron, concrete, or masonry,

"EXCEPT as permitted in Section 1806."

SECTION 1802 - Change the first paragraph to read as follows:

Structural framework shall be of structural steel or iron as specified in Chapter 27, reinforced concrete as in Chapter 26, or reinforced masonry as in Chapter 24,

"EXCEPT as permitted by Section 1806."

SECTION 1806 - Delete this section in its entirety and substitute the following:

Section 1806 Roof Construction: Roof construction in Type I buildings shall be two-hour fire-resistive construction except as follows:

1. Where every part of the structural steel framework of the roof of a Group A, B, or C Occupancy is eighteen feet (18') or more, and less than twenty-five feet (25') above any floor, mezzanine, balcony or gallery, the roof deck or sheathing may be protected on the underside as required for one-hour fire-resistive construction.
2. Where every part of the structural steel framework of the roof of a Group A, B, or C Occupancy is twenty-five feet (25') or more above any floor, mezzanine, balcony, or gallery, fire protection of such framework may be omitted.
3. Where every part of the structural framework of the roof of a Group A, B, or C Occupancy is twenty-five feet (25') or more above any floor, mezzanine, balcony or gallery, such framework may be of heavy timber as specified in Section 2514 when protected by an approved automatic sprinkler system.
4. In any occupancy, roof decks or sheathing twenty-five feet (25') or more distant from any floor, mezzanine, balcony or gallery, may be of unprotected non-combustible materials.
5. In any occupancy, roof decks or sheathing thirty feet (30') or more distant from any floor, mezzanine, balcony, or gallery, may be of heavy timber as specified in Section 2514 when protected on the underside as required for one-hour fire-resistive construction or by an approved automatic sprinkler system.
6. In any occupancy, roof decks or sheathing may be of reinforced concrete or reinforced gypsum without regard for fire-resistive requirements.

SECTION 1901 - Change the first paragraph to read as follows:

The structural elements in Type I buildings shall be of steel, iron, concrete, or masonry,

"EXCEPT as permitted in Section 1906."

SECTION 1902 - Change the first paragraph to read as follows:

Structural framework shall be of structural steel or iron as specified in Chapter 27, reinforced concrete as in Chapter 26, or reinforced masonry as in Chapter 24,

"EXCEPT as permitted by Section 1906."

SECTION 1906 - Delete this section in its entirety and substitute the following:

Section 1906 Roof Construction. Roof construction in Type II buildings shall be one-hour fire-resistive construction except as follows:

1. Where every part of the structural steel framework of the roof of a Group A, B, or C Occupancy is twenty-five feet (25') or more above any floor, mezzanine, balcony, or gallery, fire protection of such framework may be omitted.
2. Where every part of the structural framework of the roof of a Group A, B, or C Occupancy is twenty-five feet (25') or more above any floor, mezzanine, balcony or gallery, such framework may be of heavy timber as specified in Section 2514 when protected by an approved automatic sprinkler system.
3. In any occupancy, roof decks or sheathing twenty-five feet (25') or more distant from any floor, mezzanine, balcony, or gallery, may be of unprotected noncombustible materials.
4. In any occupancy, roof decks or sheathing thirty feet (30') or more distant from any floor, mezzanine, balcony, or gallery, may be of heavy timber as specified in Section 2514 when protected on the underside as required for one-hour fire-resistive construction or by an approved automatic sprinkler system.
5. In any occupancy, roof decks or sheathing may be of reinforced concrete or reinforced gypsum without regard for fire-resistive requirements.

PASSED this 8<sup>th</sup> day of December, 1969.

KING COUNTY COUNCIL  
KING COUNTY, WASHINGTON

John T. O'Brien  
Chairman

ATTEST:

Ralph R. Stender  
Clerk of the Council

APPROVED this 17<sup>th</sup> day of December, 1969

John D. Spellman  
John D. Spellman, County Executive

**ORDINANCE READINGS**

1st 10-27-69

2nd 12-8-69

3rd 12-8-69

Effective Date